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HEAT DISSIPATION FOR AN ELECTRIC BRAKE ASSEMBLY

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ABSTRACT OF THE INVENTION

Brake assemblies and a method of dissipating heat from a brake assembly are provided. A first brake assembly includes a rotor, a brake caliper assembly including an actuator motor, and at least one friction pad operably attached to the caliper assembly. The actuator motor biases the friction pad into frictional engagement with the rotor. At least one thermal conduit extends distally from the actuator motor dissipating heat energy away from the actuator motor. The method includes providing an actuator motor and providing a thermal conduit extending distally from the actuator motor. Heat is conducted away from the actuator motor along the thermal conduit. A second brake assembly includes actuator motor means and thermal conduit means extending distally from the actuator motor means. The brake assembly further includes means for conducting heat from the actuator motor means along the thermal conduit means.